



ATTORNEY DOCKET NO. 05010.0087U1
SERIAL NO. 09/945,339
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO.: 05010.0087U1	SERIAL NO. 09/945,339 CONFIRMATION NO. 1418
	APPLICANT: Waller et al.	
	FILING DATE: August 31, 2001	GROUP: 1644

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MB	B1	6,213,127	04/10/01	Waller			
	B2	5,800,539	09/01/98	Waller			
	B3	5,601,815	02/11/97	Powrie et al.			
	B4	5,147,289	09/15/92	Edelson			
	B5	5,032,508	07/16/91	Naughton et al.			
MB	B6	4,869,826	09/26/89	Wang et al.			

FOREIGN PATENT DOCUMENTS							
MB	B7	✓ WO 99/46365	09/16/99	Waller et al.			
	B8	✓ WO 97/17079	05/15/97	Waller			
	B9	✓ WO 95/24910	09/21/95	Slavin			
	B10	✓ WO 95/12404	05/11/95	Reisner et al.			
	B11	✓ WO 94/26284	11/24/94	Santoli et al.			
MB	B12	✓ WO 92/10198	06/25/92	Marks et al.			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
MB	B13	✓	Balasem et al., "Establishment of Dose-Response Relationships between Doses of CS-137 Gamma Rays and Frequencies of Micronuclei in Human Peripheral Blood Lymphocytes," <i>Mutation Res.</i> 259(2):133-138 (1991); printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=1994244&dopt=Abstract
	B14	✓	Barone et al., "Effect of Thymine Dimer Introduction in a 21 Base Pair Oligonucleotide," <i>Photochemical and Photobiology</i> 61(1):61-67 (1995)
	B15	✓	Baum et al., "Isolation of a Candidate Human Hematopoietic Stem-Cell Population" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 89:2804-2808 (1992)
	B16	✓	Blazar et al., "Comparison of Three Techniques for the ex vivo Elimination of T Cells from Human Bone Marrow," <i>Experimental Hematology</i> 13:123-128 (1985)
MB	B17	✓	Bonini et al., "HSV-TK Gene Transfer into Donor Lymphocytes for Control of Allogeneic Graft-vs-Leukemia," <i>Science</i> 276(5319):1719-1724 (1997)(XP002057927)

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SERIAL NO. 09/945,339

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MIB	B18	✓ Brovall et al., "Radiation Sensitivity of Human Natural Killer Cell Activity: Control By X-Linked Genes," <i>J. of Immunology</i> 126(6):2236-2239 (1981)
	B19	✓ Cohn et al., "Hematopoietic Reconstitution and Prevention of Graft-Versus-Host Disease with UVB-Irradiated Haploidentical Murine Spleen and Marrow Cells," <i>Blood</i> 78(12):3317-3322 (1991)
	B20	✓ Deol et al., "Immunomodulation of Fetal Pig Islet-Like Cell Clusters by Gamma-Irradiation," <i>Xenotransplantation</i> 6(2):141-6 (1999); printed from: http://www.ncbi.nlm.nih.gov:80/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10431791&dopt=Abstract
	B21	✓ Giver et al., "Fludarabine-Treated Donor Lymphocytes: A Novel Method to Reduce GvHD that Preserves Graft Facilitating and Graft v. Leukemia Activity," 98(11):324b-325b, Abstract #5059, 43 rd Annual Meeting of the American Society of Hematology; Orlando, Florida; December 7-11, 2001 (XP002208166)
	B22	✓ Grass et al., "Prevention of Transfusion-Associated Graft-vs-Host Disease by Photochemical Treatment," <i>Blood</i> , 93(9):3140-03147 (1999)(XP002208161)
	B23	✓ Klein et al., Herpesvirus saimiri Immortalized Gamma Delta T Cell Line Activated by IL-12," <i>J. of Immunology</i> 156(8):2754-2760 (1996)
	B24	✓ Kochupillani, V., "Emerging Concepts in the Management of Acute Lymphoblastic Leukemia," <i>Indian J. Med Res[B]</i> 98:1-7 (1993); printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=8495983&dopt=Abstract
	B25	✓ Lankinen et al., "Repair of Gamma-Irradiation-Induced DNA Single-Strand Breaks in Human Bone Marrow Cells: Analysis of Unfractionated and CD34+ Cells Using Single-Cell Gel Electrophoresis," <i>Mutat Res.</i> 377(2):177-185 (1997); printed from http://www.ncbi.nlm.nih.gov:80/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=9247613&dopt=Abstract
	B26	✓ Lankinen et al., "UV - and γ-Irradiation-Induced DNA Single-Strand Breaks and Their Repair in Human Blood Granulocytes and Lymphocytes," <i>Mutation Research</i> 352:31-38 (1996)
	B27	✓ Lansdorp et al., "Selective Expression of CD45 Isoforms on Functional Subpopulations of CD34+ Hemopoietic cells from Human Bone Marrow" <i>J. Exp. Med.</i> 172:363-366 (1990)
	B28	✓ Louagie et al., "Flow Cytometric Scoring of Apoptosis Compared to Electron Microscopy in Gamma Irradiated Lymphocytes," <i>Cell Bio. Int</i> 22(4):277-83 (1998); printed 9/17/02 http://www.ncbi.nlm.nih.gov:80/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10101044&dopt=Abstract
	B29	✓ Malkovsky et al., "Generation of Lymphokine-Activated Killer Cells Does Not Require DNA Synthesis," <i>Immunology</i> 60:471-473 (1987)
	B30	✓ Marx et al., "Activation of Human Gamma Delta T Cells by <i>Mycobacterium tuberculosis</i> and Daudi Lymphoma Cells: Differential Regulatory Effect of IL-10 and IL-12," <i>J. of Immunology</i> 158(6):2842-2848 (1997)
	B31	✓ Mittelstaedt et al., "Fludarabine Treated Donor Lymphocytes Enhance Immune Reconstitution Without GVHD in Allogeneic Bone Marrow Transplantation," <i>Blood</i> , 96(11):173a, Abstract #746, 42 nd Annual Meeting of the American Society of Hematology; San Francisco, California; December 1-5, 2000 (XP002208163)
	B32	✓ Montes et al., "Short-Term <i>in vitro</i> Exposure of Allogeneic Donor Lymphocytes to Fludarabine Attenuates Long-Term Immune Functions," <i>Blood</i> , 96(11):618a-619a, Abstract #2659, 42 nd Annual Meeting of the American Society of Hematology, San Francisco, California; December 1-5, 2000 (XP002208164)
	B33	✓ Paradoux et al., "Functional Interaction Between TGF-Beta and IL-12 in Human Primary Allogeneic Cytotoxicity and Proliferative Response," <i>J. of Immunology</i> 158(1):136-143 (1997)
	B34	✓ Roback et al., "Adoptive Immunotherapy Using Polyclonal Allogeneic T-cells with Limited GvHD Activity Protect Against Lethal Post-BMT CMV Infections," <i>Blood</i> , 98(11):388a, Abstract #1632, 43 rd Annual Meeting of the American Society of Hematology, Orlando, Florida; December 7-11, 2000 (XP002208165)
	B35	✓ Sato et al., "Purification of Human Marrow Progenitor Cells and Demonstration of the Direct Action of Macrophage Colony-Stimulating Factor on Colony-Forming Unit-Macrophage" <i>Blood</i> 78(4):967-974
MIB	B36	✓ Satoh et al., "Cytotoxic Gamma Delta or Alpha Beta T Cells with a Natural Killer Cell Marker, CD56, Induced from Human Peripheral Blood Lymphocytes by a Combination of IL-12 and IL-2," <i>J. of Immunology</i> 157(9):3886-3892 (1996)



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SERIAL NO. 09/945,339
Page 3 of 3

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MB	B37	✓ Shellam, G.R., "Gross-Virus-Induced Lymphoma in the Rat. V. Natural Cytotoxic Cells are Non-T Cells," <i>Int. J. Cancer</i> 19:225-235 (1977)
	B38	✓ Skeen <i>et al.</i> , "Activation of $\gamma\delta$ T Cells for Production of IFN- γ is Mediated by Bacteria Via Macrophage-Derived Cytokines IL-1 and IL-12," <i>J. of Immunology</i> 154(11):5832-581 (1995)
	B39	✓ Slavin <i>et al.</i> , "Nonmyeloablative Stem Cell Transplantation and Cell Therapy as an Alternative to Conventional Bone Marrow Transplantation with Lethal Cytoablation for the Treatment of Malignant and Nonmalignant Hematologic Diseases," <i>Blood</i> , 91(3):756-763 (1998)(XP002101607)
	B40	✓ Smith <i>et al.</i> , "Purification and Partial Characterization of a Human Hematopoietic Precursor Population," <i>Blood</i> 77(10):2122-2128 (1991)
	B41	✓ Storb <i>et al.</i> , "Cyclophosphamide Combined with Antithymocyte Globulin in Preparation for Allogeneic Marrow Transplants in Patients with Aplastic Anemia" <i>Blood</i> 84(3): 941-949 (1994)
	B42	✓ Till <i>et al.</i> , "A Direct Measurement of the Radiation Sensitivity of Normal Mouse Bone Marrow Cells" <i>Radiation Res.</i> 14:213-222 (1961)
	B43	✓ Udomsakdi <i>et al.</i> , "Separation of Functionally Distinct Subpopulations of Primitive Human Hematopoietic Cells Using Rhodamine-123" <i>Exp. Hematol.</i> 19:338-342 (1991)
	B44	✓ Udomsakdi <i>et al.</i> , "Characterization of Primitive Hematopoietic Cells in Normal Human Peripheral Blood" <i>Blood</i> 80(10):2513-2521 (1992)
	B45	✓ Ueta <i>et al.</i> , "Interleukin-12 Activates Human $\gamma\delta$ T Cells: Synergistic Effect of Tumor Necrosis Factor- α ," <i>Eur. J. Immunol.</i> 26(12):3066-3073 (1996)
	B46	✓ Waller <i>et al.</i> , "Growth of Primary T-Cell Non-Hodgkin's Lymphomata in SCID-hu Mice: Requirement for a Human Lymphoid Microenvironment" <i>Blood</i> 78(10):2650-2665 (1991)
↓ MB	B47	✓ Wesch <i>et al.</i> , "Mycobacteria-Reactive $\gamma\delta$ T Cells in HIV-Infected Individuals: Lack of V γ 9 cell Responsiveness is Due to Deficiency of Antigen-Specific CD4 T Helper Type 1 Cells," <i>Eur. J. Immunol.</i> 26(3):557-562 (1996)

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.